

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,148,871 B2  
APPLICATION NO. : 10/656297  
DATED : December 12, 2006  
INVENTOR(S) : Hiroyuki Sekine

Page 1 of 1

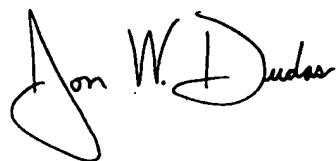
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Col. 9, Line 11 delete “front”, insert --first--.

Col. 25, Line 5 delete “ $36_{r+1}$  of the cascade-connected (Q+1)”, insert -- $36_{r+1}$  of the cascade-connected (Q+1)--.

Signed and Sealed this

Fourteenth Day of October, 2008



JON W. DUDAS  
*Director of the United States Patent and Trademark Office*